聯絡方式 Contact:

電郵 Email: FHS.Student@um.edu.mo 電話 Tel: (853) 8822 2693 / 8822 4966

地址 Address:

澳門氹仔大學大馬路澳門大學健康科學學院(E12)4045室

Room 4045, Faculty of Health Sciences (E12)

University of Macau

Avenida da Universidade, Taipa, Macau, China



生物醫學 生物信息學 藥物科學及科技

Biomedical Sciences
Bioinformatics

Pharmaceutical Sciences and Technology

課程指南 Programme Brochure 2022/2023









創立於 Founded in

1981

# 澳門大學 University of Macau

澳門唯一綜合性公立大學 Only public comprehensive university in Macao



2021 泰晤士高等教育「世界大學排名」 Times Higher Education (THE) World University Rankings

38

「亞洲大學」排名 Asia University Rankings 5

全球「國際視野」類別排名 Global International Outlook Rankings

緊隨國內前十大學 Following the top ten universities in mainland China 確認大學成功為學生搭建走向國際舞台的跳板 Recognizes UM as a springboard for students to leap onto the global stage

「四位一體」 教育模式 The '4-in-1' Education Model 澳門大學作為澳門唯一一所綜合性公立大學,積極培養能引領社會發展的多元人才,澳門大學的學生培養模式與國際接軌,創新地實施「四位一體」教育模式,融合專業、通識、研習和社群教育,加強學生的全人發展。澳門大學建立了亞洲最具規模的住宿式書院系統,書院與學院制度相輔相成,從多方位培養人才。

As the only public comprehensive university in Macao, the University of Macau (UM) has played a leadership role in nurturing professionals in various fields. UM implements a '4-in-1' education model that consists of discipline-specific education, general education, research and internship education, and community and peer education. Currently, UM has Asia's largest residential college (RC) system, The RCs and the faculties work in concert to help students achieve well-rounded development.





### • 專業教育 Discipline-specific Education:

專業性是大學教育的重要特徵,大學按照社會分工及其影響下的學科專業發展情況,對學生實施專業教育不僅是合理的,也是必須的。澳門大學不斷強化專業課程,改進其品質。

Specialism is an important hallmark of university education. The increased degree of division of labour and occupational specialisation makes discipline-specific education not only reasonable but also necessary. For this reason, UM is committed to constantly improving the quality of its discipline-specific education.

### • 通識教育 General Education:

通識教育突破專業教育傳統的界線,致力培養融會貫通、見識廣博的人才。自 2008年開始,澳門大學全面進行本科課程的改革,增設通識教育課程。新的通識 課程分四個範疇,每個範疇有多個科目供學生選擇。

General education breaks through the boundaries of traditional discipline-specific education. It aims to nurture erudite students who can fuse different realms of knowledge into an integrated whole. UM began to reform its undergraduate curriculum in 2008, with new general education courses covering four areas being launched.

### • 研習教育 Research and Internship Education:

澳門大學推行本科生研究實習計劃,強調創新和實踐,為學生提供各種科研實習的機會。本科生的研究成果在頂級學術會議和學術期刊上發表,並在地區及世界學生 科研競賽中獲獎。

UM implements a research and internship programme for undergraduate students, with a focus on innovation and practice. Through the programme, UM provides various opportunities for undergraduate students to participate in scientific research and internships. Many undergraduate students at UM have published their research findings at top academic conferences and in academic journals. They have also received numerous awards in regional and international competitions.

### • 社群教育 Community and Peer Education:

澳門大學有十所書院,目前是亞洲第一所擁有最具規模和最完整住宿式書院系統的大學。書院通過系統化學習規劃,讓學生達到健康生活、人際關係和團隊合作、領導與服務、文化參與,以及具有全球視野和國家情懷五項軟實力的能力指標。 UM is the first university in Asia to have a complete-and the biggest-system of residential colleges. Currently, there are ten residential colleges at UM. Through systematic planning of all courses, programmes, and activities, the colleges aim to help students develop soft skills in five areas, namely Healthy Living, Interpersonal Relation and Teamwork, Leadership and Service, Cultural Engagement, and Citizenship with a Global Perspective.

## 創立於 Founded in

2013



# 健康科學學院 Faculty of Health Sciences

生物醫學系 Department of Biomedical Sciences

藥物科學系 Department of Pharmaceutical Sciences

公共衛生及醫藥管理系 Department of Public Health and Medicinal Administration 自2013年成立以來不斷茁壯成長,快速成 長為培養生物醫學領域優秀人才的重要動 力之一

Since its establishment in 2013, quickly become one of the important regional powerhouses of fostering outstanding personnel for the workforce demand inbiomedical sciences





### 優質教學 Quality Education

本科教育推行融合專業、通識、研習及社群教育的"四位一體"教育模式。健康科學學院的三個學系目前提供或與澳大其他單位聯合提供三個本科學位課程及四個碩士學位課程。同時,健康科學學院也提供一個聚焦生物醫藥學之博士課程。

The undergraduate education emphasizes on discipline-specific education, general education, research and internship education, and community and peer education which are the four core elements in the so-called '4-in-1' education. The three departments of FHS now offers or jointly offers with other units at UM three undergraduate programmes and four master programmes. In addition, FHS also offers a PhD programme in biomedical sciences.

### |卓越師資 Outstanding Faculty

學院擁有傑出教學團隊,對教學充滿熱忱,以啓導學生終身追求 知識為己任。教學人員來自包括哈佛大學、牛津大學、清華大學 等的全球著名學府。

FHS has an excellent team of academic members, and they guide and inspire the students in the lifelong quest of knowledge with strong passion. Many academic members came from various prestigious institutes worldwide, such as Harvard University, University of Oxford, Tsinghua University, etc.

### 研究實力 Research Strengths

30+

實驗室 Laboratories



4 研究中心 Research centres 4 核心實驗中心 Core facilities

前沿科學中心一 精準腫瘤學前沿科學中心 Frontiers Science Center for Precision Oncology





學院配備了最尖端先進的器材,助力學院取得了許多高質量的科研產出。澳門大學更獲國家教育部批准建設 港澳地區的首個前沿科學中心一精準腫瘤學前沿科學中心,亦是全國僅有的19間前沿科學中心之一,聚焦澳 門常見多發腫瘤疾病的前沿科學研究工作。除了精準腫瘤學,健康科學學院也非常重視現代生物醫學與健康 科學內的幾個特定研究範疇,包括癌症研究、幹細胞與發育、衰老及數據科學等。

FHS equips with the state-of-the-art equipment, which all nicely incorporate into an outstanding infrastructure for high-quality research outputs. Upon the approval of Ministry of Education, UM has established the first Frontiers Science Center centre in Hong Kong and Macao, namely "Frontiers Science Center for Precision Oncology", which is also one of the 19 frontiers science centers nationwide, carrying out cutting-edge scientific research of common cancers in Macao. In addition to precision oncology, FHS particularly focuses on cancer research, stem cell biology, aging-associated diseases, and data science.

### |科研成果 Research Achievements







學院在生物醫學領域的研究碩果纍纍,每年於著名國際期刊如《自然》、《柳葉刀》、《先進科學》等發表的研究論文數量及質量逐年增加。

FHS's research in the field of biomedicine has been fruitful, and the number and quality of publications in internationally renowned journals are enhancing on an annual basis. Publications have been published in *Nature*, *Lancet*, *Advanced Science*, etc.

團隊更多次獲得全國創新金獎、澳門研究生科技研發獎、澳門商務大獎一創新大獎等,並擁有多項授權專利,持續與粵港澳大灣區的高校、醫院及企業合作,致力科研成果產業化及造福社群。

FHS has won many national innovation gold awards, Macao Scientific and Technological R&D Award for Postgraduates, and the Business Awards of Macau for innovation, and also successfully obtained numerous patents. FHS continues to collaborate with hospitals, higher education institutes and enterprises in Guangdong-Hong Kong-Macao Greater Bay Area for enhancing the technological transfer and benefiting the well-being of mankind.





國際基礎科學指標 Essential Science Indicators ESI 前Top 1% • 臨床醫學 Clinical medicine

- 藥理學 Pharmacology
- 精神病學/心理學 Psychiatry/psychology
- 生物學與生物化學
   Biology and biochemistry

**2022 THE**泰晤士高等教育

Times Higher Education

World University Rankings

126-150 澳門大學生命科學 UM Life Sciences

# 生物醫學系

# Department of Biomedical Sciences



**沈漢明教授 Prof. Hanming SHEN**系主任
Head

**♀** E12-4037

**1** 8822 4984



**羅茜教授**Prof. Kathy LUO
副系主任
Associate Head

**♀** E12-3007

**1** 8822 4233

☑ kluo@um.edu.mo

生物醫學是一個結合生命科學和醫學的綜合領域。生物 醫學系旨在生物醫學領域推動高水平科學研究、培育高 質素的教師及科研團隊,並提升澳門及鄰近地區生物醫 學的整體水平。

Biomedical science is an interdisciplinary subject that combines both the areas of life science and medicine. The Department of Biomedical Sciences strives to advance knowledge, nurtures good teachers and research team in biomedical sciences as well as enhances the quality of biomedical sciences in Macao and the neighbouring region.

# 課程 Programme

理學士學位(生物醫學)課程 Bachelor of Science in Biomedical Sciences

理學碩士學位(數據科學 - 精準醫學)課程\* Master of Science in Data Science with Specialization in Precision Medicine\*

\* 由協同創新研究院聯合提供 Jointly offered by Institute of Collaborative Innovation

### 理學士學位(生物醫學)課程 Bachelor of Science in Biomedical Sciences

理學士學位(生物醫學)課程向學生提供學生一個探索人類的本質、了解與人體有關的生物和化學系統,並應用這些跨學科的知識於與健康和疾病相關醫學問題的一個機會。畢業生具備發展健康科學相關職業生涯所需的穩固知識基礎,許多畢業生都會選擇繼續深造。

The Bachelor of Science in Biomedical Sciences programme offers students with the opportunity to explore the essence of human beings, learn about biological and chemical systems of human body and apply this interdisciplinary knowledge to medical issues that are related to health and diseases. Graduates are well equipped with a strong foundation for a career in health professions, and many graduates choose to pursue further studies in professional schools or continue their post graduate studies.

### 課程特色 Features \_\_\_\_\_\_

課程內容全面,涵蓋生物學、 化學、物理及生物醫學等不同 範疇上的知識和實踐經驗。

The programme covers a wide range of knowledge and hands-on experience in biology, chemistry, physic and biomedical sciences. 課程提供穩固的生物醫學培訓,為進行臨床醫學、食品科學等領域培訓打下結實基礎,為學生於澳門、鄰近地區或海外進行深造做好準備,並協助學生發展於生物醫學產業和學術機構工作所需的技能。 The programme provides solid foundation training in biomedical, clinical medicine and food science. It also equips students for pursuing further post-graduate studies in Macao, neighbouring regions or overseas, and assists students to develop their career in the biomedical industry and scientific institute.

### 課程設置適合有志從事以下領域的人才:

The design of the programme targets talents who plan to engage in:

- 生物醫學行業相關的職業,包括醫院、政府部門、臨床試驗和研發等相關的工作領域 A career aspect that is related to biomedical industry including hospital, government departments, pharmaceutical company
- 生命科學和生物醫學學術方向等 Life science and biomedical academia, etc.

### 畢業生就業方向 Graduate Prospects \_\_\_\_\_\_\_

- 繼續向研究或專業人員方向學習及深造
  - Pursue further study, e.g. postgraduate study or other professional study
- 從事健康科學和生物醫學領域相關的研究和開發
  Engage in research and development in areas related to basic life science and biomedical sciences
- 在醫院和其他醫療實驗室從事臨床工作
  Pursue clinical service personnel in hospitals and other medical laboratories
- 食品檢測和科學鑑證等行業工作 Work in food testing and forensic science industries
- 在中學或大專院校從事教學工作
  Engage in teaching in tertiary and secondary schools

# 公共衛生及醫藥管理學系

# Department of Public Health and Medicinal Administration



**項玉濤教授 Prof. Yutao XIANG**系主任
Head

**♀** E12-1052

**1** 8822 4223

☑ ytxiang@um.edu.mo



胡元佳教授 Prof. Yuanjia HU 副系主任 Associate Head

**♀** E12-1049

**1** 8822 8507

☑ yuanjiahu@um.edu.mo

公共衛生是指改善人群健康的科學。公共衛生的核心科學部分包括預防、流行病學、監測、生物信息學、衛生醫藥管理和實驗室科學。公共衛生和醫藥管理系的重點科研領域包括生物信息學和醫藥管理。生物信息學是一門利用電腦知識來了解醫學和公共衛生問題的跨科學領域學科。生物信息學的學習可以融會如何使用計算機科學、統計學和資訊學技術建立工具,以處理和分析生物醫學和公共衛生的數據,為藥物開發提供信息學方面的解決方案。醫藥管理同樣是一個多學科領域,涉及使用醫學科學、管理、經濟學、社會學、法律和國際商業中的原理和理論來解決醫學領域的問題。生物信息學對於智慧城市的發展更是一個不可缺少的元素。醫療部門、生物醫學、製藥和生物技術行業都對具這些技能的人員擁有龐大的需求。

Public health refers to the science that improves the health of population. Public health core sciences include prevention, epidemiology, surveillance, bioinformatics, administration, and laboratory. The department mainly focuses on bioinformatics and medicinal administration. Bioinformatics is a multidisciplinary area of scientific study that makes use of the computing knowledge to understand medicine and public health. The study in bioinformatics can lead to the skills to create tools with computer science, statistics, and information technology for processing and analyzing biological data. Medicinal administration is a multidisciplinary field which applies principles and theories in medicinal sciences, management, economics, sociology, law and international business to resolve problems in medicinal sector. Bioinformatics is an important element for the development of smart city. Graduates with these skills are most demanded in the medical sector, as well as biomedical, pharmaceutical and biotechnological industries.

### 課程 Programme

理學士學位(生物信息學)課程 Bachelor of Science in Bioinformatics

理學碩士學位(全球公共衛生)課程 Master of Science in Global Public Health

哲學碩士學位(醫藥管理)課程\* Master of Philosophy in Medicinal Administration\*

\*由中華醫藥研究院提供 Offered by Institute of Chinese Medical Sciences

### 理學士學位(生物信息學)課程 Bachelor of Science in Bioinformatics

進入21世紀,在社會對開拓健康科學研究範疇的需求推動下,生物信息學發展非常迅速。本學科整合計算機科學、資訊科學和統計學知識的研究和分析工具,以了解生物數據和解決問題。課程將結合生物學、健康科學、信息科學和計算機科學等領域,旨在教育和培訓生物信息學領域的專業人才為目標。本課程的目標是培養生物信息學專業人才,這些人才將成為發展澳門作為智慧城市的重要組成部分。本課程畢業生能完全勝任醫療領域相關的工作,以及從事生物醫學、製藥和生物技術行業。Bioinformatics is one of the fast-developing fields in the 21st century in view of the need for in-depth study

Bioinformatics is one of the fast-developing fields in the 21<sup>st</sup> century in view of the need for in-depth study areas of health sciences. It applies research and analytical tools that integrate the knowledge of computer science, information technology and statistics to understand biological data and solve problems. The objective of the programme is to nurture professionals in bioinformatics, who are the important building block to develop Macao as a smart city. The graduates of the programme are fully capable to pursue a career in the medical sector, as well as biomedical, pharmaceutical and biotechnological industries.

### 課程特色 Features \_\_\_\_\_

課程內容全面,涵蓋生物信息學、生物醫藥 學、計算機科學及資訊科學等不同領域。

The programme covers a wide range of specialized areas in bioinformatics, biomedical science, computer science and information science.

透過認識計算機科學、資訊科學和統計學,提供了 解生物信息學的專業訓練。

Through the understanding of computer science, information science and statistics, provides professional training in understanding bioinformatics.

### 課程設置適合專為有志從事:

The programme is especially designed for those who would like to be specialized in:

- · 醫療領域,以及生物醫學、製藥和生物技術等生物信息學相關的工作領域 A career aspect that is related to medical sector, biomedical, pharmaceutical and biotechnological industries
- 生物醫學和分子醫學、生物技術、學術界等 Biomedical and molecular medicine, biotechnology academia

### 畢業生就業方向 Graduate Prospects =



# 藥物科學系

# Department of Pharmaceutical Sciences



Prof. Ying ZHENG 系主任 Head

**9** N22-6010

**1** 8822 4687

☑ yzheng@um.edu.mo



Prof. Ligen LIN 副系主任 Associate Head **Q** N22-6044

**1** 8822 8041

☑ ligenl@um.edu.mo

葉物科學是一門跨領域的學科,學生通過學習化學、生 物化學、生物學、藥理學、藥物遞送、藥物體內過程、 藥物生産、監管法規等的基本原理,了解和藥物研發監 管相關的知識,並將這些知識轉化為能夠改善對人類疾 病的治療方案。畢業生皆具備藥物科學專業的知識及實 驗技能,可投身製藥企業、藥物研發、質量控制、藥物 生産、藥物監管等多種藥學相關行業,還可選擇報讀生 物醫藥相關專業方向的研究生課程繼續深造。

> Pharmaceutical science is an interdisciplinary field that integrates fundamental principles of chemistry, biochemistry, biology, pharmacology, drug delivery, pharmacokinetics, manufacture and regulatory affairs to understand all aspects of therapeutic drugs, and translates this knowledge to develop new and improved therapies against human diseases. Graduates are well equipped with the generic, subject-specific and transferable knowledge and experimental skills suited to multiple career options including a career in pharmaceutical industry, laboratory-based scientific research, quality control and manufacturing, marketing, legal, regulatory and drug information.

### 課程 Programme

理學士學位(藥物科學及科技)課程~

Bachelor of Science in Pharmaceutical Sciences and Technology^

哲學碩士學位(中藥學)課程\* Master of Philosophy in Chinese Medicinal Science\*

\* 由中華醫藥研究院提供 Offered by Institute of Chinese Medical Sciences

▲理學士學位(藥物科學及科技)課程培養學生具備科學思維和技能,為學 生在藥物研究和開發的學習深造或職業發展作好準備。完成本課程者不具 備澳門藥劑師專業的註冊資格,該專業資格要求詳見第 23/2021 號行政法

The Bachelor of Science in Pharmaceutical Sciences and Technology programme equips students with scientific mindset and skills for pursuing a further study or career development in pharmaceutical research and development. The completion of this programme does not fulfill the professional qualification for a pharmacist in Macao, and the requirement for this profession is governed by Regulamento Administrativo n.º 23/2021

### 理學士學位(藥物科學及科技)課程

### Bachelor of Science in Pharmaceutical Sciences and Technology

為2022/2023學年新開辦課程,並將於《澳門特別行政區公報》公佈後正式運作

The programme will be newly offered in 2022/2023 academic year and will come into operation upon publication in Macao SAR

藥物科學及科技結合了物理、化學、生物學和生物醫學領域的科學基礎,是對研究和開發新藥物和療 法起著至關重要作用的一門學科。透過本課程,學生能夠對藥物研究和開發領域得到全面了解,並能 掌握相關法律法規。本課程的畢業生皆具備專業的知識及技能,可投身製藥行業及其他藥物相關實驗 室發展科研事業,或可選擇繼續深造包括報讀藥劑專業培訓課程及其他專業方向的研究生課程

Pharmaceutical Sciences and Technology forms the foundational scientific basis of the physical, chemical, biological and the biomedical aspects of drug properties and actions combining a broad range of scientific disciplines that are critical to the discovery and development of new drugs and therapies. Through this undergraduate programme, students can gain a well-rounded understanding of drug discovery and development, and can master the relevant laws and regulations. The graduates are well equipped with generic, subject-specific and transferable knowledge and skills suited to a career in the pharmaceutical industry, drug laboratory-based scientific disciplines. Pursuing further post-graduate studies or professional studies such as pharmacy are also popular options for graduates.

### 課程特色 Features \_\_\_\_\_\_\_

課程內容全面,涵蓋生物 學、化學、物理及藥物科學 等不同領域。

The programme covers a wide range of knowledge and hands-on experience in biology, chemistry, physic and pharmaceutical sciences.

課程提供在發展藥物化學、藥理學、藥物動力學、藥物研究與開發、 以至社區藥事管理(包括製藥業、市場營銷、法律法規和藥物資訊) 等領域的科學思考和技能的專業訓練

The programme provides professional training in developing scientific mindset and skills in the fields of pharmaceutical chemistry, pharmacology and pharmacokinetics, drug discovery, research and development, and social and administrative pharmacy (including pharmaceutical industry, marketing, legal, regulatory and drug information).

#### 課程設置適合有志從事以下領域的人才:

The programme is especially designed for those who would like to be specialized in:

• 藥物研究、藥品檢驗、藥品製造、市場行銷、藥品監管、法規事務,藥品專利、醫藥行業投資分析 等相關工作領域

A career aspect that is related to drug research and development (R&D), drug testing, drug manufacturing, drug marketing, drug regulation, drug regulatory affairs, drug patents, pharmaceutical industry investment analysis

• 藥物科學和生物醫學之學術界等 Pharmaceutical and biomedical academia

### 畢業生就業方向 Graduate Prospects \_\_\_\_\_\_



Medical institutes



- ・檢查員 Inspector
- 行政人員 Administrator



Entrepreneur

• 風險承擔者 Risk taker



# 聯合培養計劃 Joint Nurture Programme

### "2+4" 聯合培養計劃 Joint Programme

### 浙江大學 Zhejiang University

"2+4"聯合培養計劃由澳門大學和浙江大學聯合開辦。在完成健康科學學院理學士學位(生物醫學) 課程前兩年學習後,有興趣從醫且符合條件的學生將獲推薦參加本計劃,並到浙江大學醫學院修讀 醫學課程。完成本計劃的學生將獲得澳門大學生物醫學理學士學位和浙江大學臨床醫學學士學位。 在澳門成爲醫生的相關專業要求詳見第23/2021號行政法規。

The "2+4" programme is jointly launched by UM and Zhejiang University. Eligible students who are interested in becoming a medical doctor will be recommended to School of Medicine of Zhejiang University after the completion of first two years of studies in Bachelor of Sciences in Biomedical Sciences in FHS for the admission to its medical programme. Graduates of the programme receive a bachelor's degree of Bachelor of Science in Biomedical Sciences from UM and a bachelor's degree of Bachelor of Medicine in Clinical Medicine from Zhejiang University. It is important to note that the relevant professional requirement to be a medical doctor in Macao is governed by Regulamento Administrativo n.º 23/2021.

### "3+2" 聯合培養計劃 Joint Programme

### 貝爾法斯特女王大學 Queen's University Belfast

"3+2"聯合培養計劃由澳門大學和貝爾法斯特女王大學聯合開辦。在完成健康科學學院理學士學位(生物醫學)課程前三年學習後,符合條件的學生將獲推薦到貝爾法斯特女王大學,修讀兩年的食品質量、安全和營養學課程。成功完成本計劃的學生,將獲得澳門大學頒授的生物醫學理學士學位,以及貝爾法斯特女王大學頒授的食品質量、安全和營養學士學位。完成本聯合培養計劃者不具備澳門營養師專業的註冊資格,該專業資格要求詳見第23/2021號行政法規,而計劃將於《澳門特別行政區公報》公佈後運作。

FHS followed by two years in Bachelor of Science in Food Quality, Safety and Nutrition at Queen's University Belfast. Upon the successful completion of this programme, students will receive a bachelor's degree in Bachelor of Science in Biomedical Sciences from UM and a bachelor's degree in Bachelor of Science (Honours) in Food Quality, Safety and Nutrition from Queen's University Belfast. The completion of this joint programme does not fulfill the professional qualification for a dietician in Macao, and the requirement for this profession is governed by Regulamento Administrativo n.° 23/2021. This programme will come into operation upon publication in Macao SAR Gazette.







# 其他機會 Other Opportunities





### 獨立研究機會 Independent Research Opportunity

獨立研究計劃讓學生在本科學習之外,有機會參與研究項目,獲取研究經驗。在教授的指導下,學生可以更早地體驗研究工作,增強他們的積極性和信心。

The Independent Research Programme serves to provide an opportunity for undergraduate students to participate in research projects and gain research experience on top of their undergraduate studies. In this way, students can experience the research work earlier and enhance their enthusiasm and confidence with the professors' supervision.



### 國際比賽機會 International Competition Opportunity

國際基因工程機器 (iGEM) 比賽是一項國際團隊競賽,主要由對合成生物學領域感興趣的本科生組成,為本科生提供一個利用生物醫學知識於應用開發、培養研究能力和開闊視野的機會。健康科學學院自2019年開始組織學生參加iGEM比賽,而隊伍也能於過去兩年比賽獲得獎項。

The International Genetically Engineered Machine (iGEM) Competition is an international team competition made up of predominantly undergraduate students interested in the field of synthetic biology. It provides an opportunity for undergraduate students to apply their biomedical knowledge into application developments, build up their research abilities and broaden their horizons. FHS has joined the iGEM competition since 2019, and the teams received prizes in the passt two competition.







### 學士學位入學 Undergraduate Admission

### ▼ 澳門學生 Macao Students

澳門學生可透過以下兩個途徑申請入學:

Macao students can apply for admission through the following two channels:

入學考試 Admission Examination

### 四高校聯合入學考試 (語言科及數學科)

By Joint Admission Examination for Macao Four Higher Education Institutions (Subjects: Languages and Mathematics)

直接入學 Direct Admission

### 已持有公開考試成績或具備學士學位課程入學資格

Possession of public examination result or qualifications for undergraduate admission



### ▼ 非澳門學生 Non-Macao Students

非澳門學生可透過以下途徑申請入學:

Non-Macao students can apply for admission through the following channels:

中國內地學生 Mainland China students

National Coll

香港、台灣、馬來西亞 及其他地區學生 Students from Hong Kong, Taiwan, Malaysia and Other Regions 普通高等學校招生全國統一考試(高考)

National College Entrance Examination



**Direct Admission** 









### 學費及其他費用 Tuition fee and Other Fees

學費是以「課程制學費計劃」收費。此 外,學生事務部有提供學費分期計劃予有 經濟困難的同學申請。有關學費、其他費 用、學費分期網上申請表、所需文件及申 請須知,請瀏覽相關網頁。



The tuition fee scheme is programme-based. In addition, Student Affairs Office offers tuition installment plan to students who are in financial difficulties. For details of tuition fee, other fees, tuition installment application form, required documents and guidelines, kindly refer the corresponding webpages.







### 獎學金 Scholarship

澳門大學以擇優的方式頒 發獎學金予優秀的學士學 位課程新生。同學於在讀 期間成績優秀還可申請/ 獲頒發由本地企業及個人 捐贈的獎學金,詳情請瀏 覽學生事務部網頁。 UM offers various types of scholarships to outstanding new undergraduate students upon admission on a competitive basis. When studying at UM, students may also apply for or be awarded other types of scholarships, which are provided by individual or entrepreneurial donors, based on their

academic performance at UM. More information of scholarships are available at Student Affairs Office.





# 住宿 Accommodation

In order to achieve whole-person education for our students, UM has fully implemented the Residential College scheme that creates a small on-campus staff-student community for integrating students' learning and life. An experience of living in residential college provides a unique opportunity to students to acquire soft skills, such as ability to self-manage, self-discipline, self-reflect, to work as a team player, to serve as a leader, to read the world with a global perspective and to integrate knowledge from different disciplines.